OBSERVATIONS & RECOMMENDATIONS

After reviewing data collected from **PINE RIVER POND,** the program coordinators recommend the following actions.

FIGURE INTERPRETATION

- Figure 1: These graphs illustrate concentrations of chlorophyll-a in the water column. Algae are microscopic plants that are a natural part of lake ecosystems. Algae contain chlorophyll-a, a pigment necessary for photosynthesis. A measure of chlorophyll-a can indicate the abundance of algae in a lake. The historical data (the bottom graph) show a *stable* in-lake chlorophyll-a trend. Chlorophyll concentrations decreased as the summer progressed. Wet weather in June and July likely caused excess nutrients to be washed into the lake, which can increase algal growth. Algal abundance in Pine River Pond has remained below the NH mean for over ten years! The algae present in the pond are a healthy mix of algae common to New Hampshire's lakes and ponds. While algae are present in all lakes, an excess amount of any type is not welcomed. Concentrations can increase when there are external and internal sources of phosphorus, which is the nutrient algae depend upon for growth. It's important to continue the education process and keep residents aware of the sources of phosphorus and how it influences lake quality.

- Figure 2: Water clarity is measured by using a Secchi disk. Clarity, or transparency, can be influenced by such things as algae, sediments from erosion, and natural colors of the water. The graphs on this page show historical and current year data. The lower graph shows a *fairly stable* trend in lake transparency. There was an overall decrease in lake transparency this season. The decrease in clarity early in the season was most likely caused by the elevated algae growth. Water clarity improved as the season progressed, and mean transparency values remain above the NH mean reference line. The 2000 sampling season was considered to be wet and, therefore, average transparency readings are expected to be slightly lower than last year's readings. Higher amounts of rainfall usually cause more eroding of sediments into the lake and streams, thus decreasing clarity.

- Figure 3: These figures show the amounts of phosphorus in the epilimnion (the upper layer in the lake) and the hypolimnion (the

lower layer); the inset graphs show current year data. Phosphorus is the limiting nutrient for plants and algae in New Hampshire waters. Too much phosphorus in a lake can lead to increases in plant growth over time. These graphs show a *stable* trend in the upper water layer, and a *slightly improving* trend in the lower water layer. July, August, and September phosphorus concentrations in the hypolimnion were elevated due to the samples being turbid. Sample contamination with bottom sediment can raise phosphorus concentrations and yield inaccurate results. Phosphorus concentrations in the epilimnion remained low this season, and have been below the NH mean reference line for six years. One of the most important approaches to reducing phosphorus levels is educating the public. Humans introduce phosphorus to lakes by several means: fertilizing lawns, septic system failures, and detergents containing phosphates are just a few. Keeping the public aware of ways to reduce the input of phosphorus to lakes means less productivity in the lake. Contact the VLAP coordinator for tips on educating your lake residents or for ideas on testing your watershed for phosphorus inputs.

OTHER COMMENTS

- **Please note** in June this summer phosphorus levels were found to be less than 5 µg/L in the epilimnion, metalimnion (middle water layer), and James Young Bk. The NHDES Laboratory Services adopted a new method of analyzing total phosphorus this year and the lowest value that can be recorded is less than 5 µg/L. If this caused an increase in the average phosphorus for either of the layers we would like to remind the association that a reading of 5 µg/L is still considered low for New Hampshire's waters.

- Once again, the turbidities of the hypolimnion samples were higher than desirable in August and September (Table 11). Bottom sediment, which normally has phosphorus bound to it, can raise phosphorus concentrations when found in high amounts in samples. Phosphorus concentrations in the hypolimnion were not extremely high, which is a good sign for the pond. The sediment contamination of the samples does yield inaccurate results and we hope to see phosphorus concentrations in the hypolimnion decrease next season. Sediments are often stirred up when sounding the bottom of the pond with the Kemmerer bottle for depth. If this occurs, please wait for the sediment to settle before taking the sample, or try sampling off of a different side of the boat to obtain a clean sample. Also, the bottom can be sounded with either a depth finder or a fish finder with depth readings.

- Dissolved oxygen was high throughout the water column (Table 9). As stratified lakes age, oxygen is depleted in the lower layer by the process of decomposition. The lack of this aging indicator is a sign of the lake's overall health.

NOTES

- Monitor's Note (7/10/00): Overnight moderate rain.

- Monitor's Note (9/11/00): Everything is fine.

USEFUL RESOURCES

Aquatic Plants and Their Role in Lake Ecology, WD-BB-44, NHDES Fact Sheet, (603) 271-3503 or www.state.nh.us

Best Management Practices to Control Nonpoint Source Pollution: A Guide for Citizens and Town Officials, NHDES-WD 97-8, NHDES Booklet, (603) 271-3503

Erosion Control for Construction in the Protected Shoreland Buffer Zone, WD-BB-30, NHDES Fact Sheet, (603) 271-3503 or www.state.nh.us

Vegetated Phosphorus Buffer Strips, NH Lakes Association pamphlet, (603) 226-0299 or www.nhlakes.org

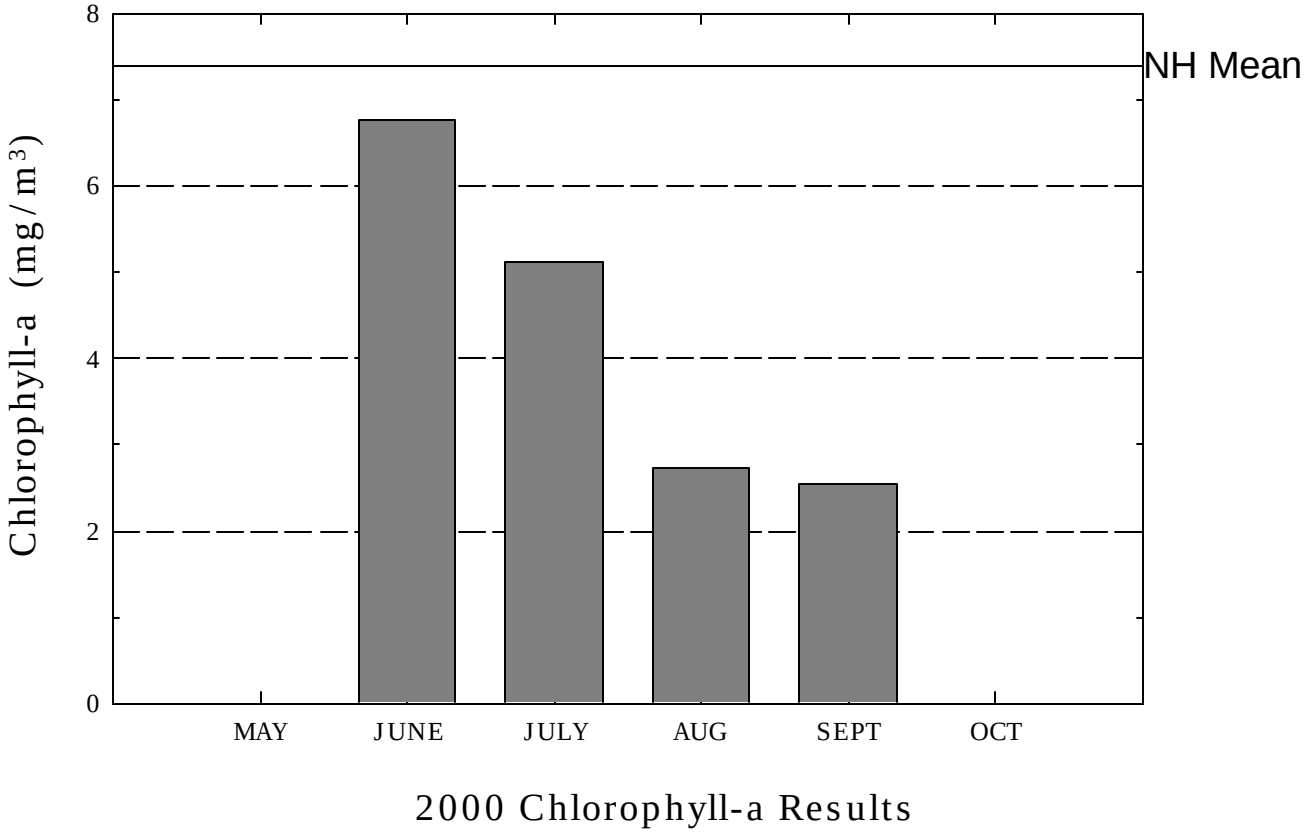
In Our Backyard. 1994. Terrence Institute, 4 Herbert St., Alexandria, VA. 22305, or call (800) 726-4853.

Comprehensive Shoreland Protection Act, RSA 483-B, WD-BB-35, NHDES Fact Sheet. (603) 271-3503 or www.state.nh.us

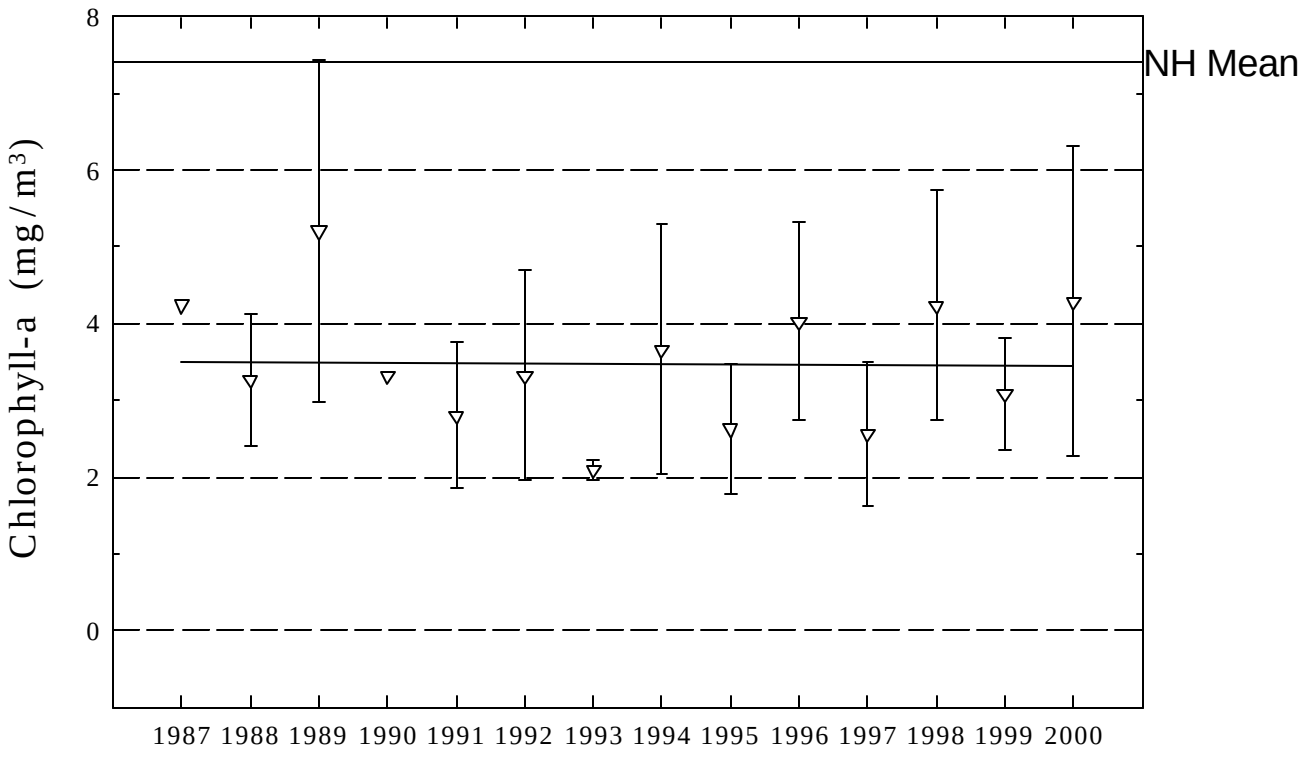
Minimum Shoreland Protection Standards, WD-BB-36, NHDES Fact Sheet. (603) 271-3503 or www.state.nh.us

Pine River Pond

Figure 1. Monthly and Historical Chlorophyll-a Results



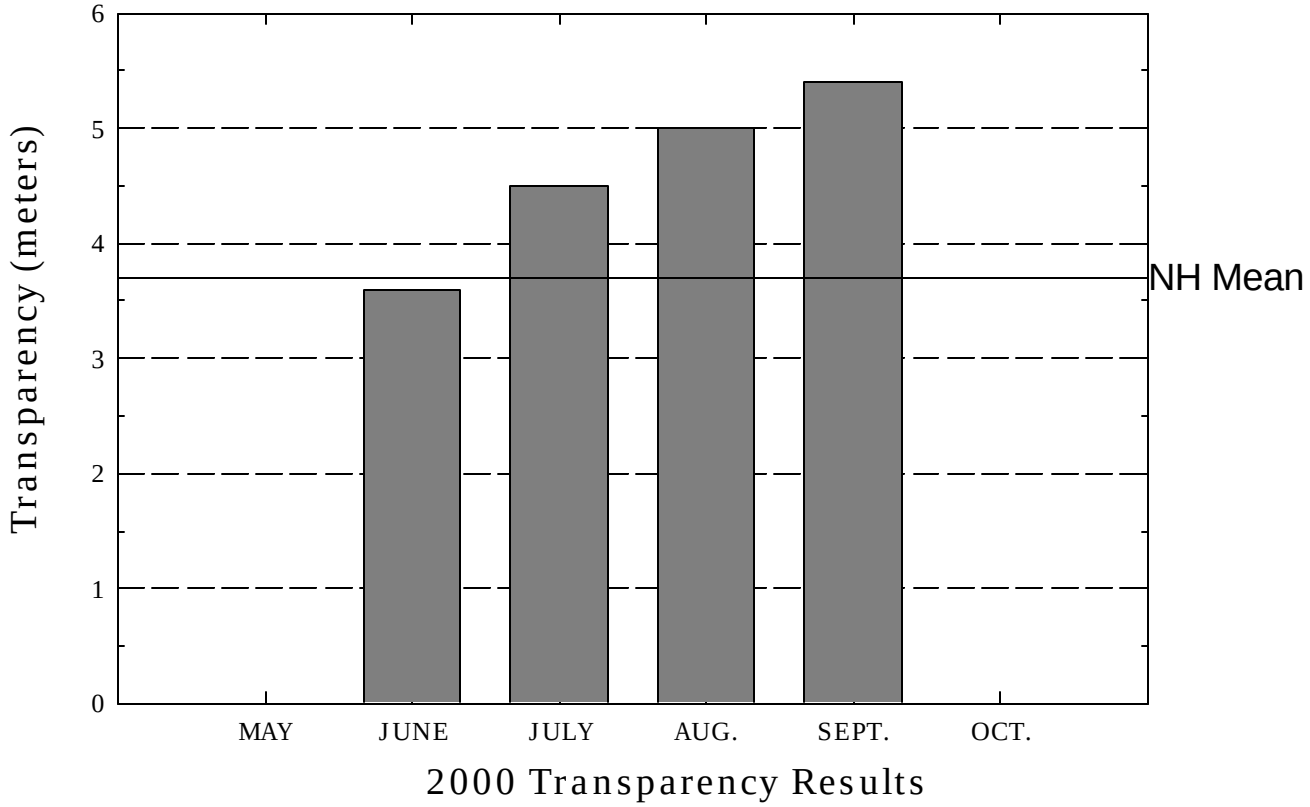
2000 Chlorophyll-a Results

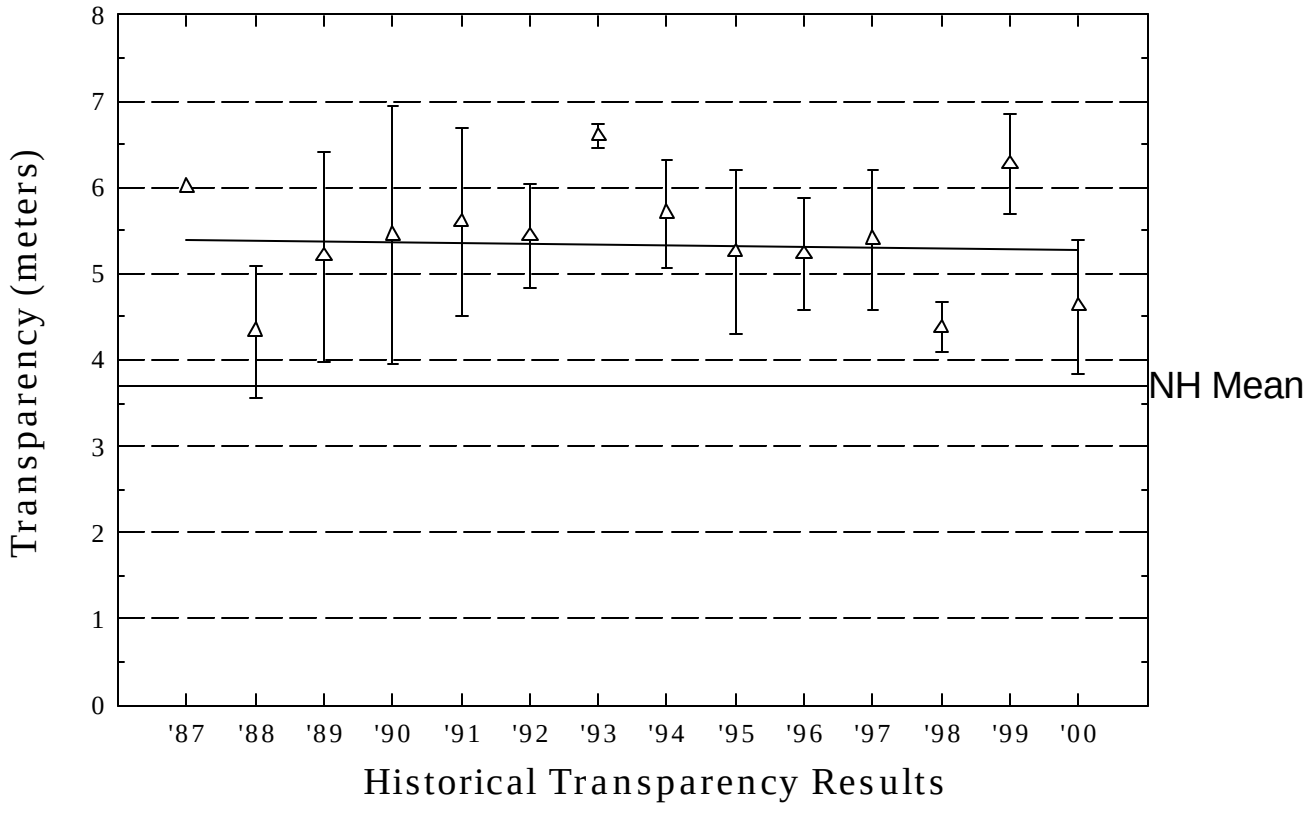


Historical Chlorophyll-a Results

Pine River Pond

Figure 2. Monthly and Historical Transparency Results





Pine River Pond

Figure 3. Monthly and Historical Total Phosphorus Data.

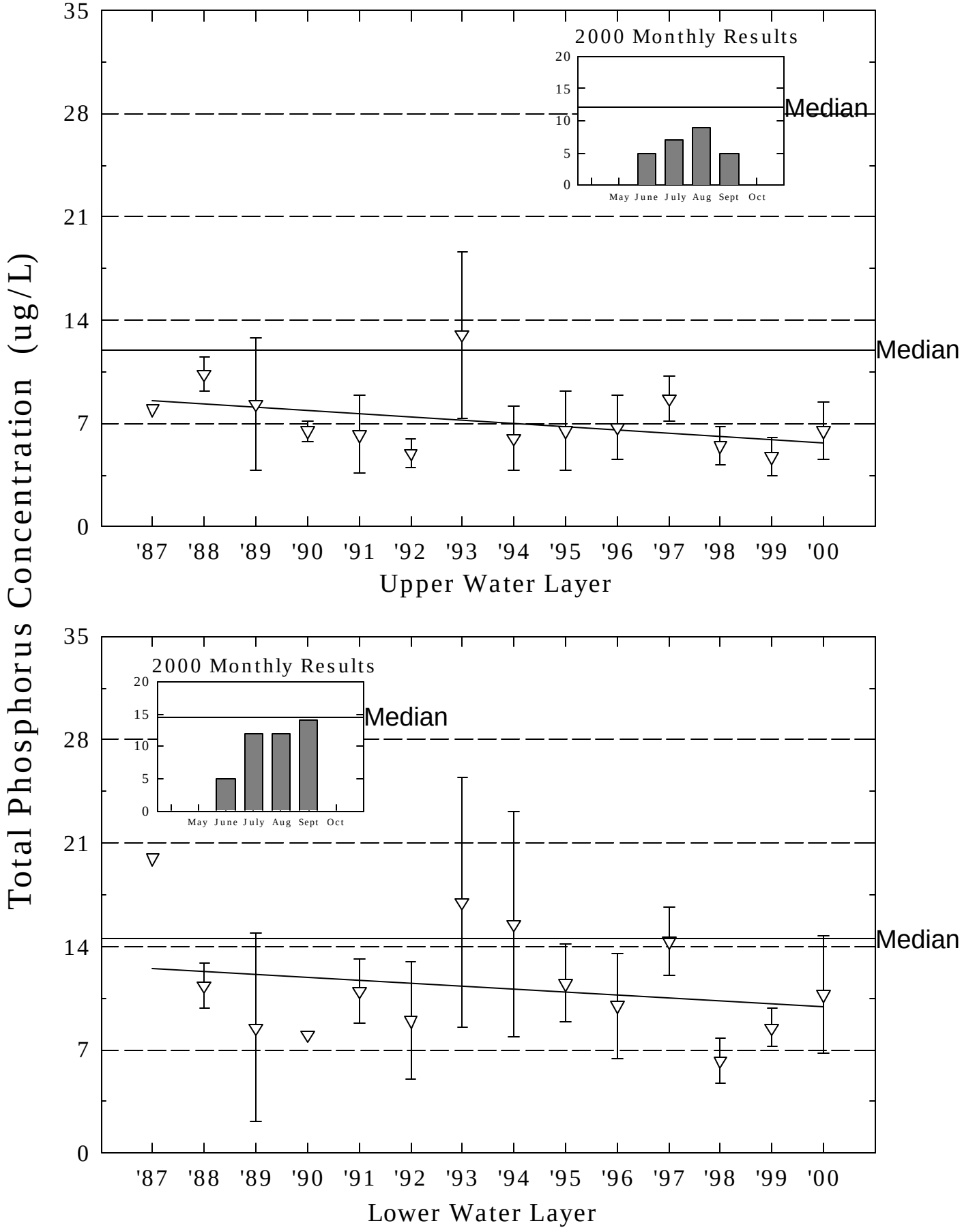


Table 1.

PINE RIVER POND

WAKEFIELD

Chlorophyll-a results (mg/m^3) for current year and historical sampling periods.

Year	Minimum	Maximum	Mean
1987	4.24	4.24	4.24
1988	2.66	3.87	3.26
1989	3.68	7.76	5.21
1990	3.32	3.32	3.32
1991	2.16	4.20	2.80
1992	1.83	4.53	3.32
1993	1.99	3.65	2.60
1994	2.35	6.03	3.66
1995	1.99	3.84	2.63
1996	2.92	5.88	4.02
1997	1.64	3.84	2.55
1998	2.94	6.12	4.23
1999	2.20	3.94	3.08
2000	2.54	6.76	4.28

Table 2.

PINE RIVER POND

WAKEFIELD

Phytoplankton species and relative percent abundance.

Summary for current and historical sampling seasons.

Date of Sample	Species Observed	Relative % Abundance
08 / 25 / 1987	SYNURA	30
	TABELLARIA	23
	ASTERIONELLA	13
03 / 09 / 1988	ASTERIONELLA	49
	DINOBRYON	42
06 / 03 / 1988	ASTERIONELLA	68
07 / 28 / 1989	DINOBRYON	61
	ASTERIONELLA	
	CHRYSOSPHAERELLA	
08 / 22 / 1990	CERTIUM	40
	COELOSPHAERIUM	13
	ASTERIONELLA	18
07 / 11 / 1991	CHRYSOSPHAERELLA	36
	DINOBRYON	34
	ASTERIONELLA	20
06 / 30 / 1992	RHIZOSOLENIA	50
	CHRYSOSPHAERELLA	20
	DINOBRYON	12
07 / 09 / 1993	RHIZOSOLENIA	32
	ASTERIONELLA	29
	DINOBRYON	14
06 / 20 / 1994	ASTERIONELLA	41
	DINOBRYON	35
06 / 19 / 1995	CHRYSOSPHAERELLA	68
	ASTERIONELLA	15
	DINOBRYON	7
06 / 17 / 1996	DINOBRYON	83
	ASTERIONELLA	13
	SYNURA	3

Table 2.

PINE RIVER POND

WAKEFIELD

Phytoplankton species and relative percent abundance.

Summary for current and historical sampling seasons.

Date of Sample	Species Observed	Relative % Abundance
06 / 16 / 1997	ASTERIONELLA	24
	DINOBRYON	24
	RHIZOSOLENIA	18
06 / 15 / 1998	DINOBRYON	63
	TABELLARIA	15
	ASTERIONELLA	8
06 / 14 / 1999	ASTERIONELLA	47
	DINOBRYON	33
	CHRYSOSPHAERELLA	9
06 / 12 / 2000	ASTERIONLELLA	29
	SYNURA	26
	DINOBRYON	24

Table 3.

PINE RIVER POND

WAKEFIELD

Summary of current and historical Secchi Disk transparency results (in meters).

Year	Minimum	Maximum	Mean
1987	6.0	6.0	6.0
1988	3.5	5.0	4.3
1989	4.1	6.5	5.2
1990	4.4	6.5	5.4
1991	4.0	6.4	5.6
1992	4.8	6.0	5.4
1993	6.2	6.7	6.4
1994	5.0	6.5	5.7
1995	4.0	6.0	5.2
1996	4.3	5.8	5.2
1997	4.7	6.2	5.4
1998	4.0	4.6	4.3
1999	5.6	6.9	6.2
2000	3.6	5.4	4.6

Table 4.

PINE RIVER POND

WAKEFIELD

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
BLANIE'S BACK POND				
	1999	6.74	6.74	6.74
CUTTERS ISLAND COVE				
	1994	6.83	6.83	6.83
EPILIMNION				
	1987	6.80	6.80	6.80
	1988	6.40	6.93	6.71
	1989	7.00	7.03	7.02
	1990	6.89	6.95	6.92
	1991	6.50	7.00	6.77
	1992	6.80	6.95	6.89
	1993	6.88	7.00	6.95
	1994	6.81	6.96	6.88
	1995	6.81	6.94	6.87
	1996	6.38	6.89	6.65
	1997	6.89	7.16	7.02
	1998	5.97	6.90	6.42
	1999	6.45	6.87	6.62
	2000	6.68	6.93	6.79
HYPOLIMNION				
	1987	6.20	6.20	6.20
	1988	6.20	6.86	6.39
	1989	6.17	6.26	6.21
	1990	6.01	6.06	6.03

Table 4.

PINE RIVER POND

WAKEFIELD

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
	1991	6.10	6.39	6.19
	1992	6.14	6.31	6.21
	1993	5.84	6.33	6.07
	1994	5.99	6.29	6.14
	1995	6.23	6.49	6.36
	1996	6.09	6.43	6.18
	1997	5.79	6.34	6.08
	1998	5.79	6.24	5.96
	1999	6.17	6.29	6.22
	2000	6.13	6.30	6.20
JAMES YOUNG BK				
	1989	6.28	6.28	6.28
	1990	6.07	6.07	6.07
	1992	6.63	6.85	6.74
	1993	6.63	6.82	6.73
	1994	6.62	6.85	6.71
	1995	6.70	6.84	6.78
	1996	6.27	6.71	6.44
	1997	6.53	6.97	6.72
	1998	5.96	6.60	6.27
	1999	6.38	6.69	6.51
	2000	6.56	6.70	6.65
JENNES / YOUNG BK				
	1990	6.61	6.61	6.61
	1991	6.40	6.80	6.65

Table 4.

PINE RIVER POND

WAKEFIELD

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
MEADOW BK				
	1988	6.56	6.78	6.69
	1989	6.67	6.97	6.79
	1990	6.63	6.80	6.71
	1991	6.50	6.87	6.71
	1992	6.52	6.90	6.67
	1993	6.75	6.92	6.83
	1994	6.78	6.93	6.85
	1995	6.57	6.98	6.73
	1996	5.83	6.72	6.27
	1997	6.58	6.92	6.75
	1998	5.55	6.70	5.96
	1999	6.47	6.73	6.64
	2000	6.64	6.81	6.71
METALIMNION				
	1987	7.00	7.00	7.00
	1988	6.61	6.83	6.74
	1989	6.18	6.37	6.26
	1990	6.15	6.35	6.24
	1991	6.20	6.90	6.49
	1992	6.40	6.88	6.52
	1993	6.44	6.83	6.65
	1994	4.48	6.75	5.07
	1995	6.44	6.80	6.66
	1996	5.96	6.54	6.20
	1997	6.10	6.88	6.48

Table 4.

PINE RIVER POND

WAKEFIELD

pH summary for current and historical sampling seasons.
Values in units, listed by station and year.

Station	Year	Minimum	Maximum	Mean
METALIMNION				
	1998	5.76	6.71	6.07
	1999	6.44	6.67	6.56
	2000	6.23	6.49	6.39
OUTLET				
	1988	6.32	6.89	6.58
	1989	6.76	7.12	6.95
	1990	6.93	6.93	6.93
	1995	6.77	6.77	6.77
QUIMBY BK				
	1988	6.49	6.83	6.63
	1989	6.84	6.84	6.84
SOUTHEAST CORNER				
	1996	6.79	6.79	6.79
WHITE POND INLET				
	1990	5.74	5.74	5.74
	1991	5.80	6.00	5.89
YOUNG'S COVE				
	1996	6.65	6.75	6.68
	1998	6.23	6.23	6.23
	1999	6.62	6.72	6.67

Table 5.

PINE RIVER POND

WAKEFIELD

Summary of current and historical Acid Neutralizing Capacity.
Values expressed in mg/L as CaCO .

Epilimnetic Values

Year	Minimum	Maximum	Mean
1987	5.40	5.40	5.40
1988	5.40	6.40	5.90
1989	5.50	7.40	6.30
1990	5.20	5.40	5.30
1991	5.30	6.40	5.85
1992	5.80	6.80	6.20
1993	4.90	5.60	5.27
1994	4.70	5.90	5.40
1995	4.30	6.20	5.40
1996	4.90	5.50	5.23
1997	4.70	6.50	5.95
1998	3.90	8.00	5.65
1999	3.40	6.80	5.86
2000	5.80	7.20	6.43

Table 6.

PINE RIVER POND
WAKEFIELD

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
BLANIE'S BACK POND				
	1999	41.6	41.6	41.6
CUTTERS ISLAND COVE				
	1994	46.8	46.8	46.8
EPILIMNION				
	1987	47.6	47.6	47.6
	1988	42.2	47.8	45.3
	1989	43.9	47.6	46.0
	1990	46.4	47.0	46.7
	1991	44.3	45.7	45.0
	1992	44.7	44.8	44.7
	1993	42.4	47.6	44.8
	1994	42.2	47.5	45.2
	1995	44.9	48.5	46.5
	1996	42.8	45.3	44.2
	1997	40.1	42.2	41.1
	1998	36.1	39.7	38.0
	1999	43.8	45.6	44.6
	2000	43.2	45.7	44.8
HYPOLIMNION				
	1987	41.5	41.5	41.5
	1988	42.7	51.1	45.5
	1989	46.7	48.5	47.6
	1990	44.4	46.2	45.3
	1991	43.8	44.9	44.3

Table 6.

PINE RIVER POND
WAKEFIELD

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
	1992	42.0	49.3	45.6
	1993	38.1	46.5	42.7
	1994	38.2	50.6	44.9
	1995	44.5	48.0	46.0
	1996	43.6	48.7	45.3
	1997	38.4	41.7	40.1
	1998	39.2	40.8	39.6
	1999	42.3	44.5	43.7
	2000	43.5	54.5	47.8
JAMES YOUNG BK				
	1989	88.0	88.0	88.0
	1990	120.0	120.0	120.0
	1992	44.9	83.0	69.3
	1993	57.2	112.3	90.3
	1994	59.0	112.5	94.3
	1995	56.4	123.5	84.5
	1996	28.5	93.8	61.1
	1997	70.4	96.0	82.8
	1998	22.0	72.6	48.1
	1999	71.3	83.3	77.3
	2000	55.1	87.7	71.8
JENNES / YOUNG BK				
	1990	92.9	92.9	92.9
	1991	81.5	111.4	96.3

Table 6.

PINE RIVER POND
WAKEFIELD

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
MEADOW BK				
	1988	32.9	67.0	49.1
	1989	34.2	42.8	38.5
	1990	43.7	45.3	44.5
	1991	41.4	52.0	47.0
	1992	44.0	49.3	47.2
	1993	41.3	54.2	47.5
	1994	42.2	51.5	46.7
	1995	46.6	56.1	50.5
	1996	31.3	53.5	46.7
	1997	54.6	58.6	56.4
	1998	24.7	57.0	46.0
	1999	61.4	73.2	66.6
	2000	60.0	85.6	68.4
METALIMNION				
	1987	46.6	46.6	46.6
	1988	42.5	46.5	44.5
	1989	43.0	45.8	44.6
	1990	44.0	47.2	45.6
	1991	43.0	45.6	44.7
	1992	43.8	45.5	44.5
	1993	39.6	47.0	43.3
	1994	38.5	47.0	44.4
	1995	43.9	47.9	45.3
	1996	42.3	46.2	44.3

Table 6.

PINE RIVER POND
WAKEFIELD

Specific conductance results from current and historic sampling seasons. Results in uMhos/cm.

Station	Year	Minimum	Maximum	Mean
	1997	38.5	42.1	40.1
	1998	34.1	39.4	36.8
	1999	43.3	46.1	45.0
	2000	43.3	45.4	44.4
OUTLET				
	1988	41.3	44.3	43.1
	1989	43.0	47.2	45.2
	1990	45.9	45.9	45.9
	1995	46.8	46.8	46.8
QUIMBY BK				
	1988	99.7	182.7	141.2
	1989	87.1	87.1	87.1
SOUTHEAST CORNER				
	1996	44.8	44.8	44.8
WENTWORTH COVE				
	1996	42.9	42.9	42.9
WHITE POND INLET				
	1990	23.0	23.0	23.0
	1991	20.4	21.9	21.4
YOUNG'S COVE				
	1996	58.7	109.8	85.7
	1998	61.7	61.7	61.7
	1999	79.2	92.2	85.7

Table 8.

PINE RIVER POND

WAKEFIELD

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
3 FT BOAT ACCESS				
	1998	7	7	7
8 FT BOAT ACCESS				
	1998	10	10	10
BLANIE'S BACK POND				
	1999	8	8	8
CUTTERS ISLAND COVE				
	1994	5	5	5
EPILIMNION				
	1987	8	8	8
	1988	3	11	8
	1989	4	13	8
	1990	6	7	6
	1991	4	10	6
	1992	4	6	5
	1993	8	17	11
	1994	4	9	6
	1995	4	10	6
	1996	5	10	6
	1997	7	10	8
	1998	4	7	5
	1999	3	6	4
	2000	< 5	9	6

Table 8.

PINE RIVER POND

WAKEFIELD

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
HYPOLIMNION				
	1987	20	20	20
	1988	6	13	10
	1989	4	13	8
	1990	8	8	8
	1991	9	14	11
	1992	5	13	9
	1993	9	23	14
	1994	9	26	15
	1995	8	14	11
	1996	6	13	10
	1997	13	17	14
	1998	5	8	6
	1999	7	10	8
	2000	5	14	10
JAMES YOUNG BK				
	1989	7	7	7
	1990	7	7	7
	1992	12	16	14
	1993	12	26	20
	1994	7	21	16
	1995	5	18	13
	1996	20	27	23
	1997	10	18	14
	1998	12	17	14

Table 8.

PINE RIVER POND

WAKEFIELD

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
	1999	14	16	15
	2000	< 5	18	11
JENNES / YOUNG BK				
	1990	19	19	19
	1991	15	25	18
MEADOW BK				
	1988	15	24	18
	1989	8	18	13
	1990	11	17	14
	1991	12	18	15
	1992	12	13	12
	1993	11	39	24
	1994	19	23	21
	1995	13	47	24
	1996	11	15	12
	1997	14	19	16
	1998	11	15	12
	1999	9	16	13
	2000	6	22	14
METALIMNION				
	1988	8	9	8
	1989	6	12	9
	1990	8	13	10
	1991	5	10	8
	1992	5	8	6

Table 8.

PINE RIVER POND

WAKEFIELD

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
	1993	7	24	13
	1994	7	16	9
	1995	5	14	8
	1996	6	11	7
	1997	7	15	10
	1998	3	11	8
	1999	4	7	5
	2000	< 5	11	8
OUTLET				
	1988	7	9	7
	1989	5	13	8
	1990	8	8	8
	1995	7	7	7
QUIMBY BK				
	1988	1	5	3
	1989	4	4	4
SOUTHEAST CORNER				
	1996	9	9	9
WENTWORTH COVE				
	1996	9	9	9
WHITE POND INLET				
	1990	16	16	16
	1991	6	9	7

Table 8.

PINE RIVER POND

WAKEFIELD

Summary historical and current sampling season Total Phosphorus data. Results in ug/L.

Station	Year	Minimum	Maximum	Mean
YOUNG'S COVE				
	1993	5	5	5
	1996	7	14	10
	1998	18	18	18
	1999	8	13	10

Table 9.

PINE RIVER POND

WAKEFIELD

Current year dissolved oxygen and temperature data.

Depth (meters)	Temperature (celsius)	Dissolved Oxygen (mg/L)	Saturation (%)
		June 12, 2000	
0.1	17.6	8.7	91.5
1.0	17.6	8.7	91.6
2.0	17.6	8.7	91.4
3.0	17.5	8.7	90.9
4.0	17.4	8.7	91.2
5.0	15.6	8.7	90.4
6.0	14.0	8.1	81.8
7.0	11.1	7.7	74.9
8.0	9.6	8.2	74.3
9.0	8.8	8.1	71.3
10.0	8.4	7.3	63.1
11.0	8.2	6.9	59.2
12.0	8.1	5.9	50.3
13.0	8.1	5.6	47.2
14.0	8.0	4.7	40.0
15.0	8.0	4.0	33.9
16.0	8.0	3.3	27.9

Table 10.

PINE RIVER POND

WAKEFIELD

Historic Hypolimnetic dissolved oxygen and temperature data.

Date	Depth (meters)	Temperature (celsius)	Dissolved Oxygen (mg/L)	Saturation (%)
August 25, 1987	14.5	7.6	0.4	3.0
March 9, 1988	13.0	4.0	5.6	42.0
June 3, 1988	15.0	7.6	6.4	54.0
July 28, 1989	17.0	8.0	1.7	14.0
August 22, 1990	14.0	7.3	-0.5	-4.1
July 11, 1991	13.0	8.2	4.6	38.9
June 30, 1992	14.0	6.0	5.3	42.4
July 9, 1993	13.7	6.8	3.4	27.0
June 20, 1994	12.8	8.9	4.2	36.0
June 19, 1995	15.0	9.1	1.7	14.0
June 17, 1996	13.5	9.0	3.4	29.0
June 16, 1997	13.5	11.5	0.6	6.0
June 15, 1998	14.0	7.4	4.7	38.0
June 14, 1999	12.0	8.3	4.8	40.8
June 12, 2000	16.0	8.0	3.3	27.9

Table 11.

PINE RIVER POND
WAKEFIELD

Summary of current year and historic turbidity sampling.
Results in NTU's.

Station	Year	Minimum	Maximum	Mean
BLANIE'S BACK POND				
	1999	0.5	0.5	0.5
EPILIMNION				
	1997	0.2	0.4	0.3
	1998	0.0	0.5	0.3
	1999	0.3	0.5	0.4
	2000	0.2	0.5	0.3
HYPOLIMNION				
	1997	0.4	5.8	2.9
	1998	0.5	3.4	1.5
	1999	0.9	5.5	3.3
	2000	0.7	11.3	4.9
JAMES YOUNG BK				
	1997	0.2	0.5	0.3
	1998	0.2	1.1	0.7
	1999	0.6	0.6	0.6
	2000	0.3	0.5	0.4
MEADOW BK				
	1997	0.1	0.4	0.2
	1998	0.1	0.9	0.4
	1999	0.3	0.4	0.3
	2000	0.1	0.4	0.2
METALIMNION				
	1997	0.3	0.4	0.3
	1998	0.4	1.2	0.7

Table 11.

PINE RIVER POND

WAKEFIELD

Summary of current year and historic turbidity sampling.
Results in NTU's.

Station	Year	Minimum	Maximum	Mean
	1999	0.4	0.5	0.4
	2000	0.2	0.4	0.3
YOUNG'S COVE				
	1998	0.9	0.9	0.9
	1999	0.4	0.5	0.4